

**CLAIMS**

1. Image display apparatus for displaying composite images, which image display apparatus comprises a primary image source, at least one secondary image source, first distortion means for distorting the image geometry of the secondary image source such that the image geometry of the secondary image source matches that of the primary image source, combining means for combining images from the primary image source with the distorted images from the secondary image source, second distortion means for distorting the composite images, and display means for displaying the composite images.

2. Image display apparatus according to claim 1 in which the display means is a single-channel display means.

3. Image display apparatus according to claim 1 in which the display means is a multi-channel display means.

4. Image display apparatus according to claim 3 in which the multi-channel display means is a multi-channel display means with adjacent channels having edges that are butted.

5. Image display apparatus according to claim 3 in which the multi-channel display means is a multi-channel display means in which adjacent channels are blended.
6. Image display apparatus according to any one of the preceding claims in which the display means has a flat display surface.
7. Image display apparatus according to any one of claims 1 – 5 in which the display means has a curved display surface.
8. Image display apparatus according to any one of claims 1 – 5 in which the display means has a cylindrical display surface.
9. Image display apparatus according to any one of claims 1 – 5 in which the display means has a spherical display surface.
10. Image display apparatus according to any one of the preceding claims in which the primary image source is a computer generated image source.
11. Image display apparatus according to any one of the preceding claims in which the secondary image source is of a different geographical configuration to the primary image source.

12. Image display apparatus according to any one of the preceding claims in which the secondary image source is a computer generated image source.

13. Image display apparatus according to any one of the preceding claims in which there are at least two of the secondary image sources, and in which each secondary image source undergoes the same degree of distortion prior to be combined with the primary image from the primary image source.

14. Image display apparatus according to any one of claims 1 – 12 in which there are at least two of the secondary image sources, and in which each secondary image source undergoes different distortion prior to be combined with the primary image from the primary image source.

15. Image display apparatus for displaying composite images, substantially as herein described with reference to the accompanying drawings.